

**Network biology: A compass for stem-cell differentiation.**

**Journal:** Nature

**Publication Year:** 2014

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**PubMed link:** 25254472

**Funding Grants:** TSRI Center for hESC Research, The Stem Cell Matrix: a map of the molecular pathways that define pluripotent cells, Ensuring the safety of cell therapy: a quality control pipeline for cell purification and validation, Collaborative Laboratory for Human Embryonic Stem Cell Research at Sanford-Burnham Medical Research Institute

**Public Summary:**

We critically assess the value to regenerative medicine of transcriptional analysis, pointing out that directly reprogrammed (transdifferentiated) cells can sometimes be abnormal and express characteristics of more than one cell type.

**Scientific Abstract:**

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